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(54) Title: PROCESSES FOR PREPARING (R)-8-CHLORO-1-METHYL-2,3,4,5-TETRAHYDRO-1H-3-BENZAZEPINE AND INTERMEDIATES THEREOF

(57) Abstract: The present invention provides processes and intermediates for the preparation of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and salts thereof which are useful as serotonin-2C (5-HT<sub>2C</sub>) receptor agonists for the treatment of, for example, obesity.



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# INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. C07C231/02 C07C233/22 C07D223/16 C07D263/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) C07C C07D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BEILSTEIN Data, CHEM ABS Data, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SMITH B M ET AL: "Discovery and SAR of new benzazepines as potent and selective 5-HT <sub>2C</sub> receptor agonists for the treatment of obesity" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 15, no. 5, 1 March 2005 (2005-03-01), pages 1467-1470, XP004750690 ISSN: 0960-894X SCHEME 2; page 1468, left column 2nd paragraph - right column 1st paragraph;	1-67
A	WO 2005/042491 A (ARENA PHARM INC [US]; SMITH BRIAN [US]; GILSON CHARLES III [US]; SCHUL) 12 May 2005 (2005-05-12) pages 25-26, scheme I;	1-67
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search  29 April 2008		Date of mailing of the international search report  30/05/2008
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Kleidernigg, Oliver

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>B. HELFERICH ET.AL.: "ÜBER DERIVATE EINIGER CHINOLINCARBONSÄUREN" J. FÜR PRAKTISCHE CHEMIE, vol. 33, 1966, pages 39-48, XP002478731 PAGE 40, ENTRY 16; PAGE 45, PARAGRAPH 16; -----</p>	1-67

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005042491 A	12-05-2005	US 2008009478 A1	10-01-2008